

WHAT IS CLAIMED IS:

1. A golf club head, comprising:
 - a main body having a front side on which a face plate is mounted, a bottom
 - 5 side, a rear side, and a top side having an opening; and
 - a crown mounted on the top side of the main body to seal the opening;
 - wherein the crown has a thickness less than 0.7 mm and a hardness greater than HRC 35.
- 10 2. The golf club head as defined in claim 1, wherein the crown is made of a metal and has a density greater than 7 g/cm^3 and the thickness less than 0.5 mm.
3. The golf club head as defined in claim 2, wherein the thickness of the crown is 0.35 mm.
- 15 4. The golf club head as defined in claim 1, wherein the crown is made of a nonmetallic material and has a density less than 5 g/cm^3 .
5. The golf club head as defined in claim 4, wherein the thickness of the
- 20 crown is 0.5 mm.
6. The golf club head as defined in claim 1, wherein the crown is mounted on the top side of the main body by brazing.
- 25 7. The golf club head as defined in claim 6, wherein the crown has a

periphery portion covered on the whole top side of the main body and the brazing is provided between the periphery portion of the crown and the top side of the main body.

8. The golf club head as defined in claim 6, wherein the top side of the main
5 body has an annular recess around the opening and the crown has a periphery portion rested and mounted in the recess by brazing.

9. The golf club head as defined in claim 1, wherein the face plate and the main body are molded into a single unit.

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10. The golf club head as defined in claim 1, wherein the face plate is mounted on the main body by welding.